

### **Quantitative Usage Analysis for Acifluorfen**

Case Number: 2605

PC Code: 114402

Date: July 9, 1999

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Based on available pesticide survey usage information for the years of 1987 through 1997, an annual estimate of acifluorfen total domestic usage averaged approximately one and a half million pounds active ingredient (a.i.) for over six million acres treated. Acifluorfen is a herbicide with its largest markets in terms of total pounds active ingredient allocated to soybeans (94%), peanuts (4%), rice (2%). Most of the usage is in AR, MS, IL, MO, IN, NC, VA, TX, and AL.

Site	Acres Grown (000)	Acres Treated (000)		% of Crop Treated		LB AI Applied (000)		Average Application Rate			States of Most Usage
		Wtd Avg	Est Max	Wtd Avg	Est Max	Wtd Avg	Est Max	lb ai/ acre/yr	#appl / yr	lb ai/ A/appl	(% of total lb ai used on this site)
Peanuts	1,610	180	307	11.19	19.04	56	113	0.3	1.2	0.3	NC GA VA TX AL MS 85%
Rice	2,921	119	183	4.07	6.27	28	48	0.2	1.1	0.2	AR MS MO 90%
Soybeans	62,879	5,771	7,257	9.18	11.54	1,360	1,710	0.2	1.1	0.2	AR MS IL MO MN IN 60%
Total		6,070	6,908			1,444	1,657				

### **COLUMN HEADINGS**

Wtd Avg = Weighted average--the most recent years and more reliable data are weighted more heavily.

Est Max = Estimated maximum, which is estimated from available data.

Average application rates are calculated from the weighted averages.

### **NOTES ON TABLE DATA**

Usage data primarily covers 1987 - 1997. Calculations of the above numbers may not appear to agree because they are displayed as rounded to the nearest 1000 for acres treated or lb. a.i. (Therefore 0 = < 500) to two decimal percentage points for % of crop treated.

**SOURCES:** EPA data, USDA, and National Center for Food and Agricultural Policy.